



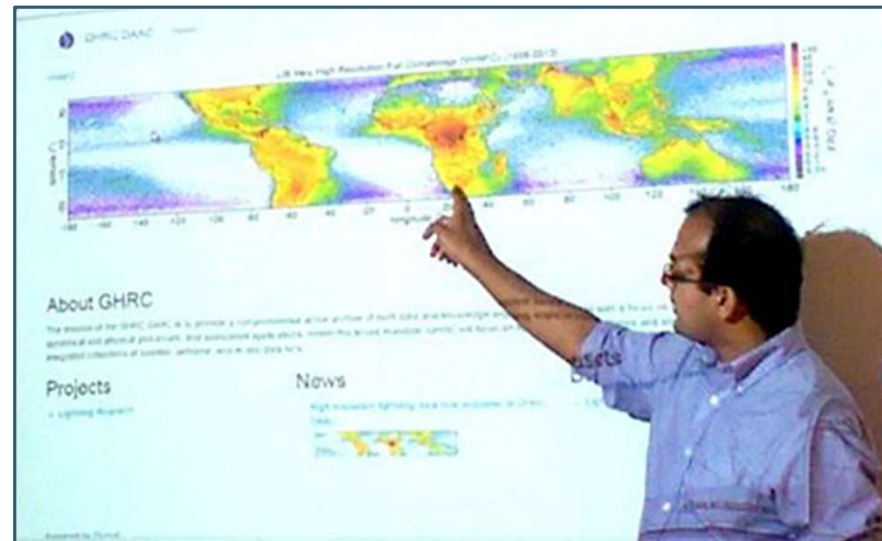
EARTHDATA BULK DOWNLOADER

Bulk Downloader Update

Will Ellett
GHRC Operations Manager



Team Roles & Responsibilities



Project Manager
System Engineer
Developer

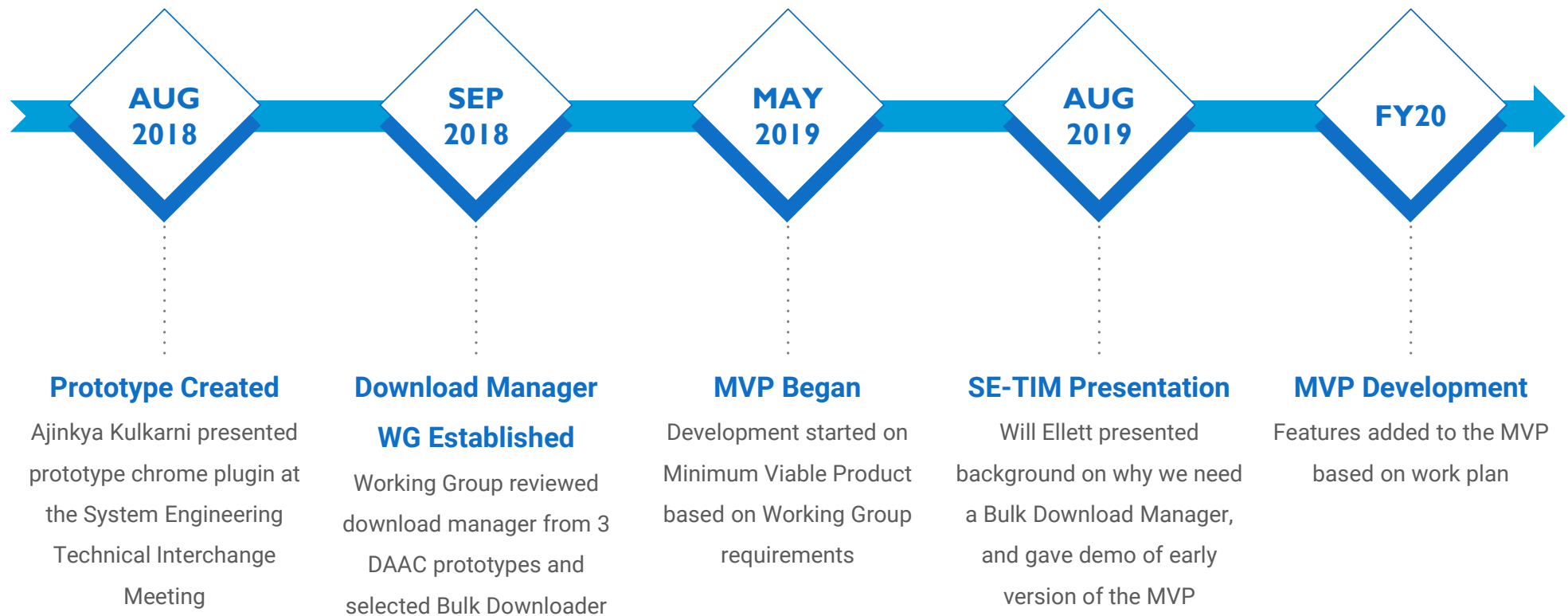
Will Ellett
Ajinkya Kulkarni
Navaneeth Selvaraj, Anupam Dahal

Bulk Downloader Background & Goals



- As data downloads moved from FTP to HTTPS, a new solution was needed to help users download data as easy as possible
- GHRC created a chrome-only prototype during a two week “Innovate & Planning” session as a possible future solution for our users
- Download Manager Working Group was created to examine possible solutions
 - GHRC submitted the Bulk Downloader Chrome extension
 - WG recommended GHRC continue work on a Bulk Downloader MVP
- Features
 - Support Chrome and Firefox browsers
 - Support Earthdata Login
 - 1 click downloads
 - Currently being test -Awaiting feedback

Bulk Downloader Timeline



Bulk Downloader Status (FY20)

1

Integrated MVP Features

CMR filters, granule download functionality, URS Authentication, pause/resume Feature, error login

2

Integrated Download Button

Implemented dropdown style Bulk Download button based on Earthdata Search Client team recommendation

3

Updated Download Manager UI

Example improvements: Download progress, statistics, download location, failed download count, etc

4

Improved Security

Updated permission management for browser plugin and implemented Google OAuth

5

Created Documentation

Developed end-user documentation and FAQ

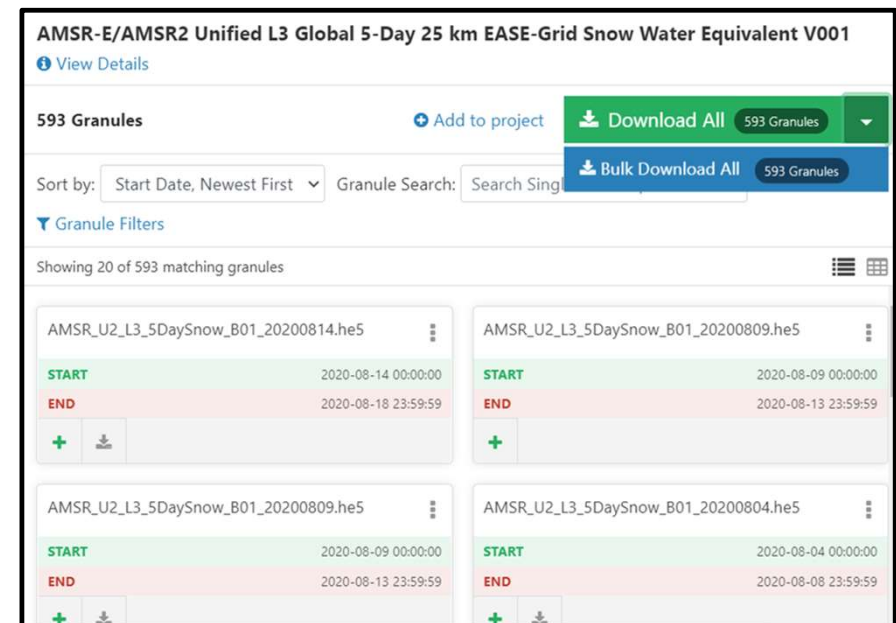
6

Fixed Bugs

Resolved issues encountered from the first wave of testing

Upcoming Activities

- Introduce to wider testing audience
- Publish Bulk Downloader to Chrome and Mozilla firefox store
- Better handling of download links
- Support for restarting interrupted downloads
- Investigate Cloud hosted dataset handling (non-AWS)
- Investigate setting cookies for download session via API (instead of browser)
- Investigate support for other browsers (Safari, Opera)



Bulk Downloader

EARTHDATA Search

Find a DAAC -

AMSR-E/AMSR2 Unified L3 Global 5-Day 25 km EASE-Grid Snow Water Equivalent V001 [View Details](#)

593 Granules [Add to project](#) [Download All](#) 593 Granules

Sort by: Start Date, Newest First

Granule Search: Search Single or Multiple Granule | [Granule Filters](#)

Showing 20 of 593 matching granules

Granule ID	START	END
AMSR_U2_L3_5DaySnow_B01_20200814.he5	2020-08-14 00:00:00	2020-08-18 23:59:59
AMSR_U2_L3_5DaySnow_B01_20200809.he5	2020-08-09 00:00:00	2020-08-13 23:59:59
AMSR_U2_L3_5DaySnow_B01_20200809.he5		
AMSR_U2_L3_5DaySnow_B01_20200804.he5		

Search Time: 0.5s

Download started...!
Click on the icon in the menu bar to view the progress or press Ctrl(Cmd)+Shift+E

AMSR-E/AMSR2 Unified L3 Global 5-Day 25 km EASE-Grid Snow Water Equ...

MONTH: May Jun Jul Aug Sep Oct Nov Dec Jan 2020 Feb Mar Apr

DEMO



EARTHDATA BULK DOWNLOADER

THANK YOU!

QUESTIONS?

